RADIO JOVE 2

Learning Science Through Listening to the Jovian and Solar All-Natural Radio Stations

Project funded by GSFC Director's Discretionary Fund and an STScI IDEAS Program Grant

The Radio JOVE Project

http://radiojove.gsfc.nasa.gov/

Project

Radio JOVE is an interactive educational activity that brings the radio sounds of Jupiter and the Sun to students, teachers, and the general public. This is accomplished through the construction of a simple radio telescope kit and the use of a real-time radio observatory on the Internet. The Web site will contain science information, instruction manuals, observing guides, and education resources for students and teachers.

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= Science Knowledge Fun

Goals

- Educate people about planetary and solar radio astronomy, space physics, and the scientific method
- Provide teachers and students with a hands-on radio astronomy exercise as a science curriculum support activity by building and using a simple radio telescope receiver/antenna kit

- Create the first ever on-line radio observatory that provides real-time data for those with Internet access
- Allow interactions among participating schools by facilitating exchanges of ideas, data, and observing experiences

Target Audience

- High School science classes
- College science courses or laboratories
- Activities could be extended to middle school classrooms

Timeline

- Radio JOVE kits will be available in May 1999. Projected cost: $100.00 (to recover materials expenditures). Up to $50.00 may be necessary for schools to purchase tools and other building materials.
- Teacher resources (coming summer 1999) will be available via the Web site.

JOVE Team

Scientists and educators from NASA, Raytheon ITSS, University of Florida, RF Associates, and The INSPIRE Project, Inc.

For More Information

Check the Internet

http://radiojove.gsfc.nasa.gov/

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